

The Village Crier

national accelerator laboratory

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THE FY 1971 BUDGET OUTLOOK

President Nixon, on Wednesday October 7, signed into law the public works and atomic energy bill appropriating \$60,000,000 for continued construction at the National Accelerator Laboratory during the Fiscal Year 1971. The bill passed by Congress called for a total of \$5.2 billions in appropriations for various public works and atomic energy projects throughout the nation.

In addition to the \$60,000,000 in construction funds, the appropriation act called for \$16,700,000 for NAL to finance operating expenses and new equipment required in FY 1971, which ends next June 30, for continued development of the Laboratory.

Fiscal Year 1971 began last July 1. In the absence of a formal approval of the proposed appropriation, NAL has been operating meantime, under a continuing resolution authorizing the U.S. Atomic Energy Commission to fund construction and other operations at the Laboratory.

Originally, President Nixon's budget request to Congress for NAL for FY 1971 included a request for \$65,000,000 in construction funds for the Laboratory. However, this construction figure was reduced \$5,000,000 as the appropriations bill went through the legislative process.

Although Congress has authorized \$250,000,000 for the construction of NAL, to date, the total amount actually appropriated has been \$149,400,000.

"OKTOBERFEST" ENDS WITH AN NAL MILESTONE

While most Chicago area residents slept, the "Oktoberfest" at NAL - which really began in late September - came to a successful scientific conclusion between 3:30 a.m. and 6:00 a.m. on Friday morning, October 9th. It was an important NAL "milestone."

At that time, in the wee hours, a proton beam was detected in Station A-3 of the Main Accelerator. The beam was accelerated to 139 Million Electron Volts (MeV) in the Linac on September 25, thus laying claim to NAL being the home of the world's highest energy proton linear accelerator.

The beam was brought through the 200 MeV beam transport system on Thursday, October 1, as the first step. It was then guided around half the Booster ring, extracted and carried to the Main Accelerator. All of these experiments were carried out at night and on weekends in order not to interfere with construction progress at NAL.

Many NAL employees worked long and hard and showed great devotion to the Laboratory's mission. On several nights, they worked until 5:00 a.m. A party was held on Saturday evening, October 10th for all of those involved in achieving the milestone.

CUTCHLOW CAHILL WINS NAL BIKE RACE

The annual NAL bike race was held in the NAL Village last week during the luncheon hour with the co-operation of the Maintenance department, which blocked off traffic on the streets.

First prize winner in the men's speed race was Cutchlow Cahill, of Aurora, who pedaled a racer that he had borrowed from a friend. Cahill is a member of the Radio-Frequency staff. Second place went to James Edwards, also of Aurora, a Beam Transfer staff member.

There were only two women entrants in the distaff race. Aspasia Nelson, of Experimental Facilities, a resident of Naperville, took first place honors. The runner-up was Judith Kenny, of Payroll, who lives in St. Charles

The judges included Charles F. Marofske, Personnel, Don Champion, Machine Shop and Joyce Huggins, Switchboard.

It was the third annual NAL bike race. Don Champion was chairman of the event, which had the building at 21 Sauk as its starting point.



....Cutchlow Cahill receives first prize award in bike race....



....Here they come....



....Cahill crosses finish line several laps ahead of competitors....

Photos by Tony Frelø, NAL

SOCIAL EVENT OF THE MONTH

"COSTUME CAPERS," the NAL Halloween dance, will be held in the Village Barn Saturday evening, October 24, from 8:00 p.m. to midnight. Dawn Chartrand, Physics Research, is chairman, and promises a fun-filled evening for everyone. There will be prizes for the best female costume, the best male costume, the most original costume and the best couple costume. "The Remarkables," a three piece band from Joliet, will provide the music for the evening. Beer, mix and cold cuts will be provided. This is an evening you won't want to miss!!! There will be a surprise for all who are brave enough to venture forth on this night!

TEN TAT GRADUATES JOIN NAL

Ten more NAL employees who have completed training at the U.S. Atomic Energy Commission's Oak Ridge Y-12 plant, have returned to the Laboratory to start their work assignments in various scientific and technical sections.

The members of the class are:

1. Avelardo Cortez, age 19, of Aurora, Beam Transfer, mechanical technician
2. Nickalos Cadena, age 19, of Aurora, Beam Transfer, draftsman
3. Steven Cooper, age 20, of Chicago, Radiation Physics, electronic technician
4. Wilbert Edmondson, age 22, of Aurora, Beam Transfer, draftsman
5. Edward Fuentes, age 18, of Aurora, Experimental Facilities, electronic technician
6. Maurice Harland, age 20, of Aurora, Experimental Facilities, electronic technician
7. Ernest Matt, age 25, of Chicago, Booster, draftsman
8. Benjamin Nelson, age 20, of Chicago, Main Ring, draftsman
9. Herminio Rosario, age 29, of Aurora, Main Ring, mechanical technician
10. Daniel Thompson, age 19, of Aurora, Main Ring, mechanical technician

The trainees went to Oak Ridge last Spring after being recruited by NAL and DUSAF. They were enrolled in the Training and Technology Project at the Oak Ridge plant under a program that was begun in 1966 as an experimental effort to utilize the advanced facilities and highly skilled personnel available there as a new resource for industrial training. To date, TAT has prepared more than 1,225 previously unemployed or under-employed persons to the entry level for jobs in six industrial occupations--machining, drafting, electronics, welding, physical testing and mechanical operations. The return of the 10 men to NAL from Oak Ridge brings to 28 the total number of graduates employed at NAL. There are 18 from a previous class (of 22 initially enrolled) who also underwent TAT training at Oak Ridge still at NAL.



Photo by Tim Fielding, NAL

....TAT GROUP RETURNS: Ten graduates of the second NAL-TAT program at Oak Ridge have returned for work at NAL. Nine posed for their photographs after a meeting at the Equal Employment office last week. They are (left to right) Nicolas Cadena, Steven Cooper, Herminio Rosario, Daniel Thompson, Avelardo Cortez, Wilbert Edmondson, Ernest Matt, Edward Fuentes and Benjamin Nelson. The tenth member of the group, Maurice Harland, was unavailable....

NAL'S MODEL SHOP AIDS IN BUBBLE CHAMBER PLANNING

When one is building anything as complex and costly as a massive accelerator system such as that at NAL, it is only logical that conceptual models be developed first to provide opportunities for improvement before the final design is settled upon.

One of the earlier staff appointments at NAL was that of Jose Poces, an industrial designer who came to the Laboratory from the staff of Max O. Urbahn, the prominent New York architect who is a member of the DUSAF joint venture. Poces, now 32, has been with the NAL staff for more than two years. He is an alumnus of Pratt Institute in New York and resides in Wheaton.

Initially, Poces and his helpers produced models of the Main Accelerator Magnets and the Main Accelerator Tunnel in a small workshop in the basement of an office building at Oakbrook. That was when NAL's first operational office was located on the 10th floor of the Executive Plaza Building near the East-West Tollway in Oakbrook.

After the move to the NAL Village, the model shop, under Poces, was set up in three buildings on Shabbona Street not far from the office of Dr. Robert R. Wilson, NAL Director. There, models of the entire site were developed as were prototypes of the "footprint" area including the Linac, the Booster and part of the Main Ring.

At present, the model shop staff numbers seven, including Poces. It is under the supervision of Henry Hinterberger, Director of Technical Services. Today, the staff is, among other things, concerned with building models for the proposed 15-foot Bubble Chamber (the model is being placed in the pit of the Linac Laboratory building in the NAL Village). It also is working on a model for the central laboratory building. Poces helped to develop the NAL Exhibit Hall with the assistance of Mrs. Angela Gonzales, NAL Designer, and Geno Loro, of the DUSAF staff.

"We are a hard-working group, versatile in our craft, concerned with being a very competent prototype shop for the Laboratory," says Poces. "We are already beginning to switch our energies to work on prototypes of the experimental facilities' needs. A Laboratory such as this is in constant evolution and the continuing need for models and prototypes will be found to be economically efficient."



Jose Poces



....Velvie Lee Smith at work on model of NAL Site in the Curia....

One member of Poces' staff is Velvie Lee Smith, who has invested much of his time in developing the topographic model of the NAL site which is located in the lobby-entrance of the Curia. Smith is a sensitive, creative man with patience and skill that he devotes to making certain that the precise details of every model represent actuality.

In a speech titled, "Youth and Democracy" which Smith gave in 1957 when he graduated as salutatorian from Melrose High School in Memphis, Tennessee, he said, "When all people join together for the common cause of freedom and democracy, victory

NAL'S MODEL SHOP AIDS IN BUBBLE CHAMBER PLANNING (Continued from Page 4)

shall be won." He ranked second in his class of about 180 students, with his best friend beating him to the highest honor by a mere fraction of a point.

Lee, as he is known at NAL, was elected to the National Honor Society and was active in school activities. Upon graduating from high school, he confessed he was bored with school and, instead of going on to college, Lee decided to move to Chicago to look for a job.

He joined the Service Department of Sears, Roebuck & Company as a "Jack-of-all-trades" doing cabinet repair work, furniture refinishing and mechanical repairs. During the eleven years he was with Sears, Lee did return to school. He has taken courses in mathematics and English at Crane Junior College and is presently enrolled for the Fall semester in a drafting course at the American Institute of Drafting.

Two years ago, through mutual friends, he met Kennard Williams, NAL EEO Head, who urged Lee to apply for a position at the Laboratory. He has been in the NAL Model Shop since then, first as a Junior Modelmaker, and more recently as Modelmaker, working on the site map and the large model of the accelerator system which is in its special room at the Director's Complex, as well as a variety of other assignments.

Lee and his wife, Earlene, live in Broadview with their family of five active youngsters, ages 5-6-7-9-11, where Lee has been an Assistant Cub Master and Scout Committee Chairman, and where Earlene is kept busy just being a mother!

AUTO INSURANCE ADVICE

A representative of CNA auto insurance will spend the afternoon of Thursday, October 15, at NAL to offer counseling and to provide answers to questions about the proposed group auto insurance plan sponsored by the Argonne Credit Union. He will be at the Credit Union office in the Personnel building at 22 Sauk from 1:00 p.m. through the rest of the afternoon. The telephone extension there is 225 if you cannot make a personal visit.

HOUSE PAINTING

It is expected that the painting of the house-offices in the NAL Village will be completed by December 1. A co-ordinated color system, which will brighten the village during the drab, wintry months, has been worked out for the painters by Angela Gonzales.

GYM NIGHTS: The gymnasium at the West Chicago Junior High School is available for NAL employees on the first and third Wednesday of each month from 6:00 p.m. to 9:00 p.m. Charles Marofske, NAL personnel manager, advises that the facilities are large enough to provide space for basketball, volleyball and general exercise. Shower and locker facilities also will be available. Basketball or tennis shoes should be worn by all participants to protect the basketball floor and for safety.

The school can be reached from NAL by driving north on Rt. 59 to Joliet Road, then taking Joliet Road to Hazel Street. Turn right on Hazel Street to reach the school.

If you have any questions, please communicate with Bobby McNeal, Ext. 377, or Jim Thompson, Ext. 324.

HOUSING INFORMATION MOVES TO 21 SAUK

The office of Mrs. Jodi Eskey, Personnel, who is concerned with assisting employees and visitors in their efforts to find housing as well as working with auxiliary organizations of NAL, now is located on the second floor of 21 Sauk Boulevard in the NAL Village. Her telephone number is Extension 348. Mrs. Eskey's office was formerly at 14 Sauk.

NALWO CALENDAR

Mrs. Nancy Teng, Editor

- Oct. 15 Hand Arts. 1:00 p.m. White Farm. Betty Snowdon will demonstrate creative stitchery. Bring a piece of plain cloth (burlap or linen), scrap yarns or thread, a large needle, and scissors.
- Oct. 17 Gourmet. 8:00 p.m. Carriage Woods, Route 59 For reservation call Nancy Carrigan, 653-2269, or Judy Strauss, 964-4018.
- Oct. 20 Fall meeting. 1:00 p.m. Barn. Prof. Striever, anthropology professor from Northwestern University will be the speaker. Babysitting service available at White Farm. Anyone needing a ride, call Isobel Walker, 469-0209, or Nancy Teng, 325-5082. Husbands are cordially invited to this unusually interesting meeting.

REMINDER: During the month of October, anti-flu shots for NAL employees will be given at the First Aid house at 24 Sauk in the Village by Mrs. Dorothy Poll, R.N.

CLASSIFIED ADS

FOR SALE - '67 Plymouth Barracuda convertible, new engine and tires, \$950 or best offer. This is a repossessed credit union car. Call 6-3789.

FOR SALE - 3½ h.p. mini-bike, \$60; baby's crib w/mattress, good condition, \$20; 4-track car stereo and 8 tapes, \$30; '55 Jaguar Mark VII (sedan), partially restored, running condition, \$400. Also, pick out Irish Setter puppy now. Will sell time payment plan and hold for Christmas, 8 weeks old, Champion bloodlines, A.K.C., shots, wormed, \$125.00 Call 896-6778.

FOR SALE - 9' bamboo fly rod, automatic reel, new air-cell double tapered fly line, \$15. Precision transistor tester, professional model, \$25. Capacitor tester, \$7. RF single generator - needs work, \$10. Call Don Champion, Ext. 207 or 898-6053.

HORSES boarded and trained in outdoor and indoor facilities with roomy box stalls. Also indoor and outdoor ring. Reasonable prices. Call Kathi, Ext. 541.

LOST - Ladies green suede wallet. If found, please return to Personnel's Lost & Found. No questions asked.

WANTED - Son studying gun-smithing. Like to buy old junk guns to practice on. Call Bonnavent Paul, 879-2250.

FOR SALE - 2 Firestone town and country snow tires. 700x14 mounted on Ford rims. Over ½ of tread remaining. \$30. Call 897-3262, Howard Fulton.

National Accelerator Laboratory

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